

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No.	1607a
First Inventor	Walter Rausch
Title	An Antenna Control System in a Wireless Communication System
Express Mail Label No.	EV 335506127 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 15]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Sheets 2]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

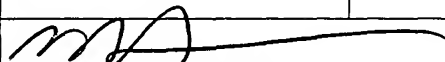
☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09 / 981,169  
Prior application information: Examiner James C. Clinger Art Unit: 2821

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number: 28004

Name					
Address					
City	State	Zip Code			
Country	Telephone	Fax			

Name (Print/Type)	Michael J. Setter	Registration No. (Attorney/Agent)	37,936
Signature		Date	(303) 938-9999 ext. 13 7-21-03

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

16235 U.S. PTO  
10/623982

07/21/03

07/21/03  
14202 U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 04/30/2003. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>FEE TRANSMITTAL for FY 2003</b>		<b>Complete if Known</b>	
<i>Effective 01/01/2003. Patent fees are subject to annual revision.</i>		Application Number	applied for
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Confirmation Number	
		Filing Date	herewith
		First Named Inventor	Walter Rausch
		Examiner Name	unknown
		Art Unit	unknown
<b>TOTAL AMOUNT OF PAYMENT</b> (\$ ) 750		Attorney Docket No.	1607a

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																					
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <b>Order</b> <input checked="" type="checkbox"/> Deposit Account: <div style="margin-top: 10px;"> Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">21-0765</span>    Deposit Account Name: <span style="border: 1px solid black; padding: 2px 50px;">Sprint Communications Company, L. P.</span> </div>		<b>3. ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Large Entity</th> <th style="text-align: left; border-bottom: 1px solid black;">Small Entity</th> <th style="text-align: left; border-bottom: 1px solid black;">Fee Description</th> <th style="text-align: left; border-bottom: 1px solid black;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051 130</td><td>2051 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052 50</td><td>2052 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053 130</td><td>1053 130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812 2,520</td><td>1812 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804 920*</td><td>1804 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805 1,840*</td><td>1805 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251 110</td><td>2251 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252 410</td><td>2252 205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253 930</td><td>2253 465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254 1,450</td><td>2254 725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255 1,970</td><td>2255 985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401 320</td><td>2401 160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402 320</td><td>2402 160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403 280</td><td>2403 140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451 1,510</td><td>1451 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452 110</td><td>2452 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453 1,300</td><td>2453 650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501 1,300</td><td>2501 650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502 470</td><td>2502 235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503 630</td><td>2503 315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460 130</td><td>1460 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807 50</td><td>1807 50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td>1806 180</td><td>1806 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021 40</td><td>8021 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809 750</td><td>2809 375</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810 750</td><td>2810 375</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801 750</td><td>2801 375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802 900</td><td>1802 900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee Paid	1051 130	2051 65	Surcharge - late filing fee or oath		1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 410	2252 205	Extension for reply within second month		1253 930	2253 465	Extension for reply within third month		1254 1,450	2254 725	Extension for reply within fourth month		1255 1,970	2255 985	Extension for reply within fifth month		1401 320	2401 160	Notice of Appeal		1402 320	2402 160	Filing a brief in support of an appeal		1403 280	2403 140	Request for oral hearing		1451 1,510	1451 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unavoidable		1453 1,300	2453 650	Petition to revive - unintentional		1501 1,300	2501 650	Utility issue fee (or reissue)		1502 470	2502 235	Design issue fee		1503 630	2503 315	Plant issue fee		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17 (q)		1806 180	1806 180	Submission of Information Disclosure Stmt		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 750	2809 375	Filing a submission after final rejection (37 CFR § 1.129(a))		1810 750	2810 375	For each additional invention to be examined (37 CFR § 1.129(b))		1801 750	2801 375	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application	
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																				
1051 130	2051 65	Surcharge - late filing fee or oath																																																																																																																					
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																					
1053 130	1053 130	Non-English specification																																																																																																																					
1812 2,520	1812 2,520	For filing a request for reexamination																																																																																																																					
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																																					
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																																					
1251 110	2251 55	Extension for reply within first month																																																																																																																					
1252 410	2252 205	Extension for reply within second month																																																																																																																					
1253 930	2253 465	Extension for reply within third month																																																																																																																					
1254 1,450	2254 725	Extension for reply within fourth month																																																																																																																					
1255 1,970	2255 985	Extension for reply within fifth month																																																																																																																					
1401 320	2401 160	Notice of Appeal																																																																																																																					
1402 320	2402 160	Filing a brief in support of an appeal																																																																																																																					
1403 280	2403 140	Request for oral hearing																																																																																																																					
1451 1,510	1451 1,510	Petition to institute a public use proceeding																																																																																																																					
1452 110	2452 55	Petition to revive - unavoidable																																																																																																																					
1453 1,300	2453 650	Petition to revive - unintentional																																																																																																																					
1501 1,300	2501 650	Utility issue fee (or reissue)																																																																																																																					
1502 470	2502 235	Design issue fee																																																																																																																					
1503 630	2503 315	Plant issue fee																																																																																																																					
1460 130	1460 130	Petitions to the Commissioner																																																																																																																					
1807 50	1807 50	Processing fee under 37 CFR 1.17 (q)																																																																																																																					
1806 180	1806 180	Submission of Information Disclosure Stmt																																																																																																																					
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																																																					
1809 750	2809 375	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																					
1810 750	2810 375	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																					
1801 750	2801 375	Request for Continued Examination (RCE)																																																																																																																					
1802 900	1802 900	Request for expedited examination of a design application																																																																																																																					
<b>1. BASIC FILING FEE</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Large Entity</th> <th style="text-align: left; border-bottom: 1px solid black;">Small Entity</th> <th style="text-align: left; border-bottom: 1px solid black;">Fee Description</th> <th style="text-align: left; border-bottom: 1px solid black;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001 750</td><td>2001 375</td><td>Utility filing fee</td><td>750</td></tr> <tr><td>1002 330</td><td>2002 165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003 520</td><td>2003 260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004 750</td><td>2004 375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005 160</td><td>2005 80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="3"><b>SUBTOTAL (1)</b></td><td><b>(\$ ) 750</b></td></tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee Paid	1001 750	2001 375	Utility filing fee	750	1002 330	2002 165	Design filing fee		1003 520	2003 260	Plant filing fee		1004 750	2004 375	Reissue filing fee		1005 160	2005 80	Provisional filing fee		<b>SUBTOTAL (1)</b>			<b>(\$ ) 750</b>	<b>2. EXTRA CLAIM FEES</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total Claims</td> <td style="width: 10%; border: 1px solid black;">20</td> <td style="width: 10%;">-20 **</td> <td style="width: 10%;">=</td> <td style="width: 10%; border: 1px solid black;">0</td> <td style="width: 10%;">X</td> <td style="width: 10%;">Fee from below</td> <td style="width: 10%;">=</td> <td style="width: 10%; border: 1px solid black;">0</td> <td style="width: 10%;">Fee Paid</td> </tr> <tr> <td>Independent Claims</td> <td style="border: 1px solid black;">2</td> <td>-3 **</td> <td>=</td> <td style="border: 1px solid black;">0</td> <td>X</td> <td></td> <td>=</td> <td style="border: 1px solid black;">0</td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>=</td> <td style="border: 1px solid black;">0</td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Large Entity</th> <th style="text-align: left; border-bottom: 1px solid black;">Small Entity</th> <th style="text-align: left; border-bottom: 1px solid black;">Fee Description</th> <th style="text-align: left; border-bottom: 1px solid black;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202 18</td><td>2202 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201 84</td><td>2201 42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203 280</td><td>2203 140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204 84</td><td>2204 42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205 18</td><td>2205 9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="3"><b>SUBTOTAL (2)</b></td><td><b>(\$ ) 0</b></td></tr> </tbody> </table>		Total Claims	20	-20 **	=	0	X	Fee from below	=	0	Fee Paid	Independent Claims	2	-3 **	=	0	X		=	0		Multiple Dependent					X		=	0		Large Entity	Small Entity	Fee Description	Fee Paid	1202 18	2202 9	Claims in excess of 20		1201 84	2201 42	Independent claims in excess of 3		1203 280	2203 140	Multiple dependent claim, if not paid		1204 84	2204 42	** Reissue independent claims over original patent		1205 18	2205 9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>			<b>(\$ ) 0</b>																														
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																				
1001 750	2001 375	Utility filing fee	750																																																																																																																				
1002 330	2002 165	Design filing fee																																																																																																																					
1003 520	2003 260	Plant filing fee																																																																																																																					
1004 750	2004 375	Reissue filing fee																																																																																																																					
1005 160	2005 80	Provisional filing fee																																																																																																																					
<b>SUBTOTAL (1)</b>			<b>(\$ ) 750</b>																																																																																																																				
Total Claims	20	-20 **	=	0	X	Fee from below	=	0	Fee Paid																																																																																																														
Independent Claims	2	-3 **	=	0	X		=	0																																																																																																															
Multiple Dependent					X		=	0																																																																																																															
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																				
1202 18	2202 9	Claims in excess of 20																																																																																																																					
1201 84	2201 42	Independent claims in excess of 3																																																																																																																					
1203 280	2203 140	Multiple dependent claim, if not paid																																																																																																																					
1204 84	2204 42	** Reissue independent claims over original patent																																																																																																																					
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent																																																																																																																					
<b>SUBTOTAL (2)</b>			<b>(\$ ) 0</b>																																																																																																																				
**or number previously paid, if greater; For Reissues, see above		Other fee (specify) _____  *Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3)</b> (\$ ) 0																																																																																																																					

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Michael J. Setter	Registration No. Attorney/Agent	37,936
Telephone	(303) 938-9999 ext. 13		
Signature			Date
		7/21/03	

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

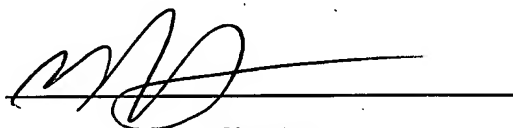
If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

<b>NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>		First Named Inventor	Walter F. Rausch
		Title	An Antenna Control System in a Wireless Communication System
		Atty Docket Number	1607a

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

July 21, 2003

Date



Signature

(303) 938-9999 ext. 13

Telephone number

Michael J. Setter, Reg. 37,936

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*